C4

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/29139

A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) : H04J 3/16, 3/22, 3/24 . US CL : 370/466,474			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S.: 370/466,474,352-356, 386,389,401,503			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
A	US 6,009,100 (GAUSMANN et al) 28 December 19	99 (28.12.1999), figures 2-4.	1-41
A	US 6125117 (MARTIN et al) 26 September 2000 (26.09.2000), figures 1&2, col. 2, lines 5-28 and col. 4, lines 41-54.		1-41
A	US 2003/0007502 A1 (DOVE et al) 09 January 2003 (09.01.2003), entire document.		1-41
A,P	US 2004/0131080 A1 (ITO) 8 July 2004 (08.07.2004), figure 1 and claims 1-11.		1-41
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Further documents are listed in the continuation of Box C. See patent family annex.			
* Special categories of cited documents: "T" later document published after the integration of cited and not in conflict with the application of the conflict with the conflict with the application of the conflict with the conflict with the application of the conflict with		ernational filing date or priority	
	t defining the general state of the art which is not considered to be of	principle or theory underlying the inve	
particular relevance "E" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being	
"O" document	t referring to an oral disclosure, use, exhibition or other means	obvious to a person skilled in the art	5, 5861 0011021110011 002.15
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family	
Date of the actual completion of the international search		Date of mailing of the international search report	
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Name and mailing address of the ISA/US Authorized officer			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents Chirag Shah			
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